

Title (en)
VEHICULAR DISPLAY SYSTEM, AND IMAGE EMITTING DEVICE

Title (de)
FAHRZEUGANZEIGESYSTEM UND BILDEMITTIERENDE VORRICHTUNG

Title (fr)
SYSTÈME D’AFFICHAGE DE VÉHICULE ET DISPOSITIF D’ÉMISSION D’IMAGES

Publication
EP 4213478 A4 20240313 (EN)

Application
EP 21866517 A 20210823

Priority

- JP 2020153909 A 20200914
- JP 2020190155 A 20201116
- JP 2021030776 W 20210823

Abstract (en)

[origin: EP4213478A1] A vehicular display system includes: a first lamp that emits near-infrared light; a second lamp that emits visible light; a first camera that captures a first image of an outside of a vehicle irradiated by the first lamp; a second camera that includes an imaging range of the first camera and captures a second image of the outside of the vehicle irradiated by the second lamp; a control unit that generates a third image in which a luminance of pixels of the first image corresponding to pixels of the second image is reduced, based on a luminance of the second image; and a head-up display that displays the third image generated by the control unit.

IPC 8 full level
B60K 35/00 (2024.01); **B60R 1/00** (2022.01); **B60R 11/02** (2006.01); **G02B 27/01** (2006.01); **G06T 1/00** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP US)
B60K 35/00 (2013.01 - EP); **B60K 35/23** (2024.01 - EP); **B60K 35/285** (2024.01 - EP); **B60R 1/22** (2022.01 - US); **G02B 27/01** (2013.01 - EP); **G06T 5/50** (2013.01 - EP); **G06T 5/90** (2024.01 - EP); **H04N 5/272** (2013.01 - US); **H04N 7/181** (2013.01 - EP); **H04N 23/11** (2023.01 - EP US); **H04N 23/13** (2023.01 - US); **H04N 23/56** (2023.01 - EP US); **H04N 23/76** (2023.01 - US); **H04N 23/81** (2023.01 - EP); **H04N 23/90** (2023.01 - US); **B60K 2360/21** (2024.01 - EP); **B60K 2360/349** (2024.01 - EP); **B60R 2300/20** (2013.01 - US); **B60R 2300/304** (2013.01 - US); **G02B 2027/014** (2013.01 - EP); **G06T 2207/10152** (2013.01 - EP)

Citation (search report)

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- [A] US 6827473 B2 20041207 - KOBAYASHI SHOJI [JP]
- [A] US 2009231874 A1 20090917 - KISHIMOTO KATSUHIKO [JP], et al
- [Y] JP 2016182911 A 20161020 - NIDEC COPAL CORP
- [A] JP 2009237986 A 20091015 - NEC CORP
- See also references of WO 2022054557A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 4213478 A1 20230719; EP 4213478 A4 20240313; CN 116076077 A 20230505; JP WO2022054557 A1 20220317;
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EP 21866517 A 20210823; CN 202180062185 A 20210823; JP 2021030776 W 20210823; JP 2022547477 A 20210823;
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